

# What is an... ELECTRICIAN?

An Electrician designs, plans, installs, repairs, and maintains electrical systems in homes, commercial buildings, industrial complexes and retail buildings.

## ELECTRICIANS

- Plan new systems & upgrade older systems, wiring, receptacles and light fixtures
- Install fiber optic systems, fire alarms, security and data systems
- Install, troubleshoot and repair motors, generators, pumps, solar arrays, and Electric Vehicle Charging systems.

All Electricians start their careers as apprentices. Once you have achieved your Red Seal ticket, there are many opportunities for advancement – to positions such as foreperson, superintendent, estimator or electrical inspector, or you may want to start your own contracting business.

The Electrical Joint Training Committee (EJTC) and the Western Joint Training Society (WJETS) offer one of the highest quality apprenticeship programs in B.C. The EJTC is a partnership between the International Brotherhood of Electrical Workers (IBEW) Local 213 and the Electrical Contractors Association of B.C. (ECABC). WJETS is a partnership between IBEW Locals 230, 993 & 1003 and the ECABC.



**ELECTRICAL JOINT  
TRAINING COMMITTEE**



# TRAINING TO BECOME AN ELECTRICIAN

## APPRENTICESHIP TRAINING



An IBEW apprenticeship for a Construction Electrician is based on a five (5) year training program, including a minimum of 9000 hours of technical training and on-the-job training.

The preferred entry method into an apprenticeship is with graduation from a recognized Electrical Foundation (ELTT) program.

## RECOMMENDED PREREQUISITES

- English 12
- Pre-Calculus Math 11
- Physics 11
- Grade 12 Completion



## SKILLS & ABILITIES

To be successful in their trade, Electricians need to be:

- critical thinkers/problem solvers
- good and clear communicators
- physically fit & able to lift 11 to 25 kilograms
- able to work at heights and confined spaces
- able to work out-of-doors regardless of weather
- a team player
- able to work well with others towards a common goal
- willing to learn
- able to do very precise work, expertly
- able to have a mechanical aptitude and manual dexterity

### Electrical Joint Training Committee

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